

Title (en)

OPTICAL MEMORIES, METHOD FOR READING AND WRITING SUCH OPTICAL MEMORIES, AND DEVICE FOR READING AND WRITING SUCH MEMORIES

Title (de)

OPTISCHE SPEICHER, VERFAHREN ZUM AUSLESEN UND BESCHREIBEN SOLCHER OPTISCHEN SPEICHER UND VORRICHTUNG ZUM AUSLESEN UND BESCHREIBEN SOLCHER SPEICHER

Title (fr)

MÉMOIRES OPTIQUES, PROCÉDÉ DE LECTURE ET D'ÉCRITURE DE TELLES MÉMOIRES OPTIQUES, ET DISPOSITIF POUR LA LECTURE ET L'ÉCRITURE DE TELLES MÉMOIRES

Publication

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Application

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Abstract (en)

[origin: WO2007128938A2] The invention concerns an optical data memory, said memory comprising at least one layer (6A, 6B, 6C) of supporting material, said supporting material including molecules (2, 4) having, in a local zone (9), a collective state of molecules from at least one first collective state of molecules (4), and a second collective state of molecules (2). The invention is characterized in that only molecules having the first collective state of molecules (4) in said local zone (9) are capable of generating a second-harmonic signal when they are excited in said local zone by a reading electromagnetic radiation.

IPC 8 full level

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